

CLAIMS

1. (Original) A geothermal heating and/or cooling system comprising:
a first pipe disposed underground and having a first end and a second end;
a second pipe disposed underground and having a first end and a second end;
the first end of the first pipe being in fluid communication with the first end of the second pipe;
a heat exchanger having a fluid inlet and a fluid outlet;
the second end of the first pipe being in fluid communication with the outlet of the heat exchanger and the second end of the second pipe being connected to the inlet of the heat exchanger; and
said first and second pipes are spaced apart by a predetermined distance and are integrally attached by an integral attachment to each other along the at least a portion length thereof.

2. (Original) The geothermal heating and/or cooling system of claim 1 wherein the first pipe, second pipe, and the integral attachment are one piece.

3. (Currently Amended) The geothermal heating and/or cooling system of claim 2 wherein said first pipe, second pipe, and integral attachment is an extruded product.

4. (Currently Amended) The geothermal heating and/or cooling system of claim 3 wherein the first and second pipes and the ~~web~~ integral attachment are extruded from a material comprising polyethylene.

5. (Original) The geothermal heating and/or cooling system of claim 4 wherein the integral attachment has openings therein.

6. (Original) The geothermal heating and/or cooling system of claim 4 wherein the integral attachment is continuous between the first and second pipes for a substantial distance of the first and second pipes.

7. (Currently Amended) Geothermal apparatus comprising:
a first pipe for receiving a heat exchange fluid therein;
a second pipe for receiving a heat exchange fluid therein; ~~and~~
a web integrally connected to each of the first and second pipes for holding the second pipe a predetermined distance from the first pipe; and
wherein at least a portion of each of the first pipe, the second pipe and the web are disposed underground.

8. (Original) The apparatus of claim 7 wherein the first and second pipes and the web are extruded from a material comprising polyethylene.

9. (Original) The apparatus of claim 7 wherein the web has openings therein.

10. (Original) The apparatus of claim 7 wherein the web is continuous.

11. (Original) The apparatus of claim 7 wherein said first and second pipes are operably attached to a heat exchanger.

12. (New) The apparatus of claim 7 wherein the first pipe, second pipe and web are constructed of a material flexible enough to be rolled onto or off of a reel.

13. (New) The apparatus of claim 7 wherein the first pipe, second pipe and web are disposed on a reel.

14. (New) The apparatus of claim 1 wherein at least a portion of the first pipe second pipe and web are disposed underground.